

Appl. No. 09/788,229
Amdt. dated Jan. 13, 2005

Reply to Office Action of October 26, 2004

Amendments to the Specification

Please replace the paragraph beginning on line 10 of page 7 with the following paragraph:

In the system shown in Figure 1, the PBX 10 also is coupled with a voice over Internet protocol (VOIP) gateway [[22]] 32 through a T-1 trunk 30 and a CTI trunk 28. The VOIP gateway 32 is connected to answer both calls from the PSTN 12 and calls that are transferred from the local PBX 10, as indicated by the various interconnections in Figure 1. The locally installed directory in the gateway 32 contains a translation database 34 for members of the business enterprise coupled with a local area network (LAN) 36, which has IP terminals, addresses for IP telephones (display keyset devices on the LAN) with Internet connectivity, and the addresses of other VOIP gateways on the Internet, such as the gateway 50 shown coupled to the Internet 44 in Figure 1. Also coupled to the LAN 36 are a web page server 38 and an application server 40 which operate in a conventional manner for the business enterprise.

Please replace the paragraph beginning at line 12 on page 14 with the following paragraph:

Assume that an acceptable name is found at 110, the calling party (either 100 or 102)[[.]] then indicates selection of the name at 112. The VOIP gateway 32 looks up the address translation in the directory at 114, where such a translation may be required, and automatically translates the address to the appropriate phone number at 116 and attempts the call placement at 118. This is a real time operation, and functions to seamlessly interconnect IP devices and PCM devices in a manner such that neither party is aware that this is not a PCM-to-PCM or IP-to-IP link-up. As stated previously, the VOIP gateway 32 includes a digital signal processor (DSP), and arrays to convert between voice and data signals in a real time on-line basis. The system for performing this conversion may be of the type, for example, disclosed in the co-pending application mentioned above.